

PT0340: ROCKO - SQUARENESS TESTING



Rocko is a squareness test instrument with gauge stand (gauge not supplied) composed by:

- Structure in black granite with the support surface and vertical sliding lapped faces
- Sliding cart on air bearing with stiffening obtained by a Venturi vacuum generator.

The vacuum-pneumatic vertical cart is moved by a valve which works on the pneumatic piston linked to the cart by a wire. Turning the valve, the cart will move into two directions, up and down, with progressive speed. The pneumatic movement avoids the direct contact of the cart by the operator, in order to guarantee the best repeatability and stability.

Technical properties	
Height	466 mm
Width	140 mm
Thickness	240 mm
Run	300 mm
Angle error	1"
Straightness	0.001 mm
Repeatability	0.001 mm
Air power	3.5 Bar
Weight	29 Kg



PT: PERTEST - SQUARENESS TESTING



The perpendicularity test instrument (PERTEST) allows practically, quickly and directly to survey perpendicularity and straightness errors with the lowest tolerance. No tare, squares or cubes are required. Perstest is always ready to be used since the structure in granite and the working precision assure stability and repetition. The sliding of the gauge stand (not supplied) is on air bearings as for the movement on the base in order to avoid all friction and wear causes. The gauge is moved up and down by pushing a button; moreover Perstest is provided with filtering and regulation unit for the compressed air.

	PT0325	PT0326	PT0327	PT0328	PT0329
Height	500	685	935	1185	1685
Width	250	250	300	350	450
Thickness	140	140	140	160	180
Run	250	500	750	1000	1500
Angle error	1"	1"	1"	1"	1"
Straightness	0.001	0.002	0.003	0.004	0.005
Repeatability	0.001	0.001	0.001	0.001	0.001
Air power	4.5 Bar	4.5 Bar	4.5 Bar	4.5 Bar	4.5 Bar
Weight	22	45	60	100	180



DG 0218: AXIAL MEASURING PROBE WITH ANALOGUE READOUT



The analogue readout unit **DG0218** for the axial probe "ED0219" allows contact detection of dimensional deviations, using a single probe or two probes in differential mode (A-B). A switch allows the use of three measurement scales: $\pm 200 \mu\text{m}$ in full scale, $\pm 20 \mu\text{m}$ in full scale and $\pm 2 \mu\text{m}$. The resolution is 10/1,0/0,1 μm per division. The readout unit is powered by rechargeable batteries with a button to check the charge level.



An axial measuring probe based on differential transformer law LVDT, with a body diameter of 8 mm and a shaft sliding through a sleeve bearing. Return motion via a mechanical spring.

Measuring range	$\pm 1,1 \text{ mm}$
Measure force	70 gr.
Stem diameter	8 mm
Cable length	2 m
Resolution	0,0001
Straightness	0,12%

